

**REMARKS**

Claims 2-3 and 5-8 are pending in the application. Claims 2-3 and 5-8 are rejected.

Claims 2 and 3 are now rejected under 35 U.S.C. § 103(a) as unpatentable over applicant's admitted prior art in view of Nagarajan et al. (U.S. 6,240,066)(hereinafter Nagarajan).

It appears the Office Action is relying on applicant's Fig. 17 to show each of the features of claim 3 except for the specific conversion table and the features of the conversion table. With regard to the combination of references the Office Action points to the algorithm of Nagarajan for allocating a buffer and the reallocation of a buffer in combination with the applicant's admitted prior art buffer management control portion.

Nagarajan discloses an algorithm of buffer memory management for an ATM switch, and the algorithm is for transferring fixed length cells.

In reviewing the combination of references and specifically Nagarajan, columns 2 and 3, no specifics or teaching could be found of a conversion table and specifically where the table modifies the allocated areas of the buffer memory according to the number of service class settings in the service class characteristic table.

For example, Nagarajan in column 2 starting at line 64 through column 3, line 6, describes the advantageous inventive methods for the dynamic buffer and bandwidth partitioning which shows several desired properties, however, none of these properties describes that the modification of allocated areas of the buffer memory according to the number of service class settings in the service class characteristic table. The reference fails to teach applicant's claimed feature.

Further as pointed out above, Nagarajan discloses an algorithm of buffer memory management for an ATM switch, and the algorithm is for transferring fixed length cells. Because of this the Nagarajan algorithm cannot perform the same operation as applicant's claimed invention.

For example as in claim 2 which recites: wherein said operation control for the received packets includes delay for the packet, packet loss, packet order inversion, or error insertion, and said service classes are classified by an IP address or TCP/UDP port number comprised by the header portion of said packet.

Thus claim 2 includes that the packets are variable IP packets and used to generate simulated delay for the packet, packet loss and packet order inversion, which features cannot be performed by the buffer management system of Nagarajan.

For at least the foregoing reasons it is respectfully submitted the combination of references fails to teach or suggest all of applicant's claimed features found in claims 2 and 3. It is respectfully requested the rejection should be withdrawn.

Claims 5 and 8 are rejected as in claim 3 and further in view of Bernath et al. (U.S. 6,526,070)(hereinafter Bernath). Claim 6 is rejected under 35 U.S.C. § 103(a) as unpatentable as in claim 5 and further in view of Beshai et al. (U.S. 6,570,872). Claim 7 is rejected as in claim 3 and further in view of Kreifels (U.S. 4,891,788).

Bernath only discloses that a time stamp for transferring in MPEG-2 is recorded as tag information. Bernath fails to indicate the feature of the claimed invention that the correct packet transferring delay is realized with the maximum memory resource efficiency. As in claim 5 the buffer management control portion performs control of received packets based on packet

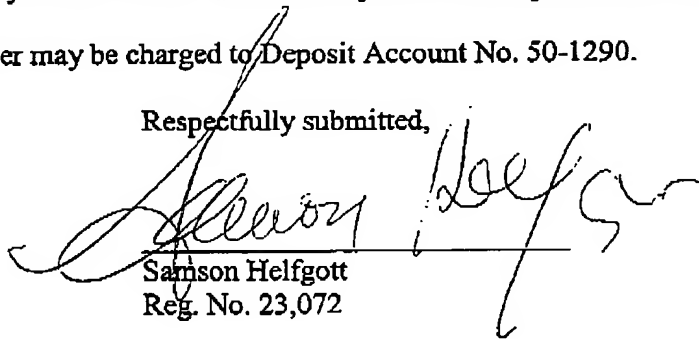
existence notification and said time stamp values, and based on the operation control for the received packets, set in said service class characteristic table.

In view of the foregoing including the reasons recited above for claim 3, it is respectfully requested the rejection of claims 5-8 be withdrawn.

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,



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